



Flexible vibration isolation for custom UHV instrumentation

- Extremely effective vibration isolation down to $<2\text{Hz}$
- Eddy-current damping for optimum stability
- Large stage area, ideal for custom instrumentation
- Base flange with 6 ports for UHV feedthroughs

Effective

The combination of large stage mass, eddy-current damping and a low resonant frequency makes the Nanograph UHV Vibration Isolation Stage highly effective, even with vibration frequencies as low as 2Hz.



Flexible

The isolation stage has been designed to maximise available space. With a 130mm usable diameter there is plenty of space for mounting instrumentation. Optional stage-mounted electrical connection blocks allow signal cables to be routed to the stage without compromising vibration isolation.

Specifications

- DN160CF base flange with 6x DN16CF ports for UHV feedthroughs
- 130mm dia isolated stage
- Resonant frequency <2Hz with eddy-current damping
- Fully UHV compatible
- Manual clamp for mechanical access to stage

Sufficiently stable for atomic-resolution STM with no other vibration isolation